

FIG. 1

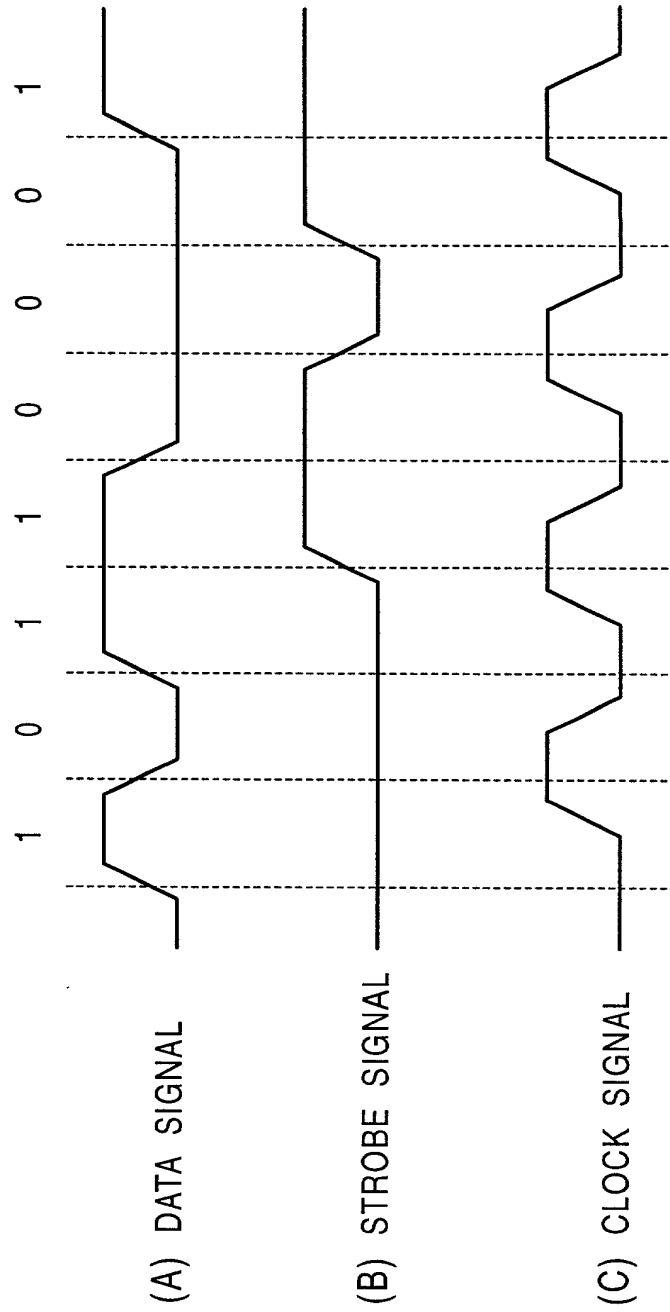


FIG. 2

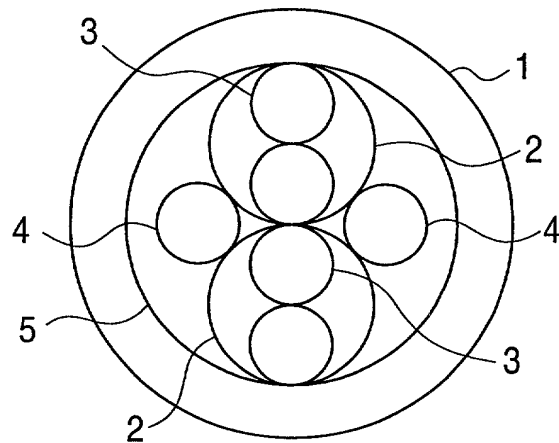


FIG. 3

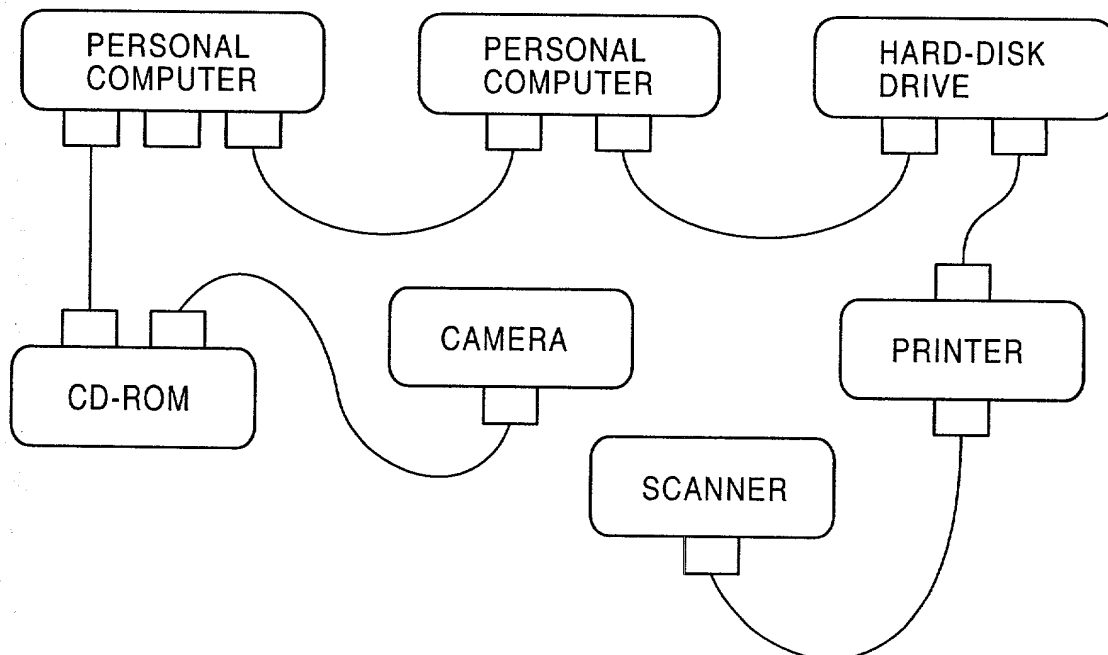


FIG. 4

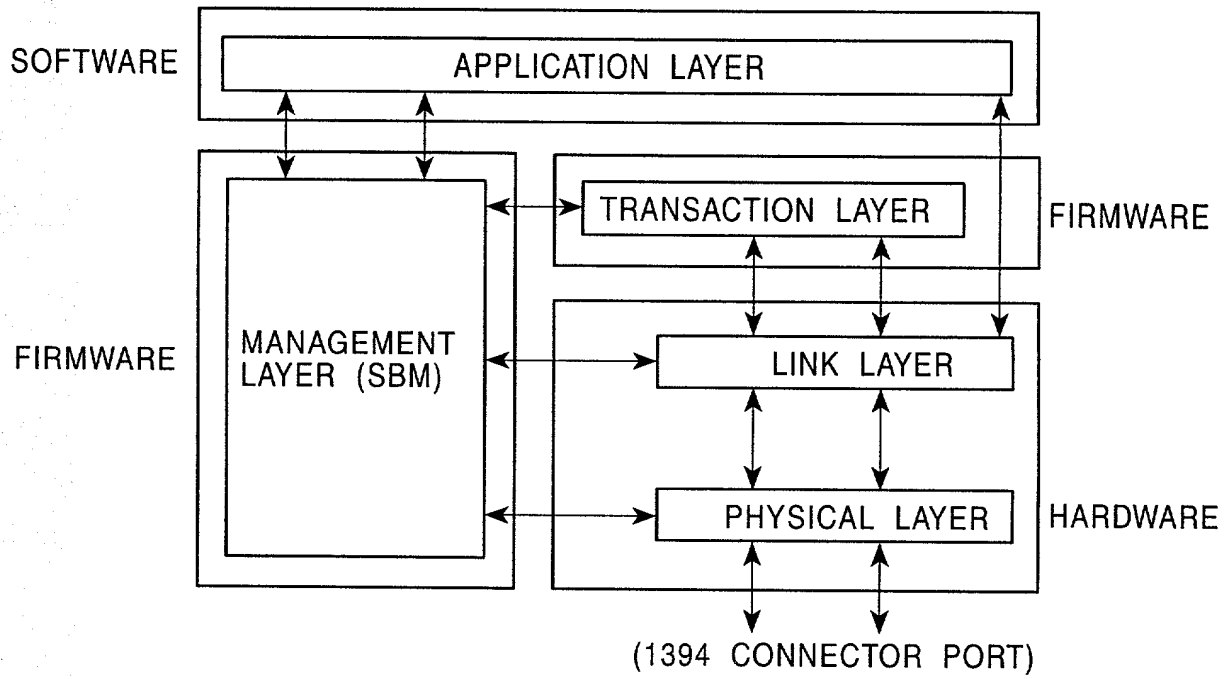


FIG. 5

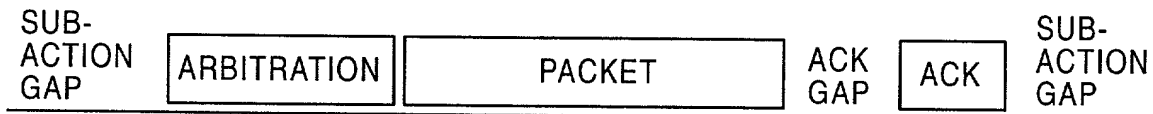


FIG. 6A

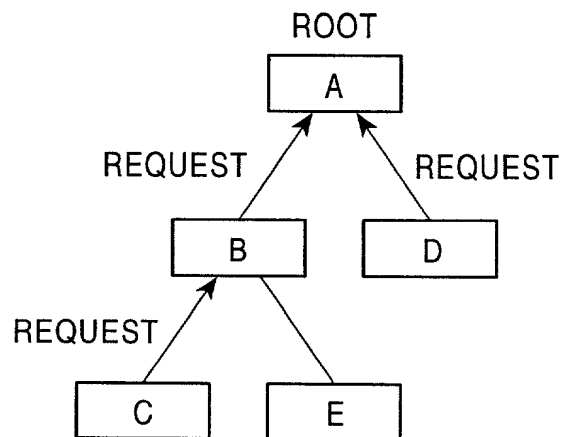


FIG. 6B

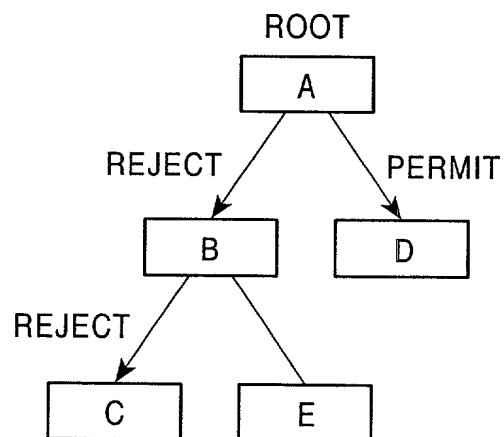


FIG. 7

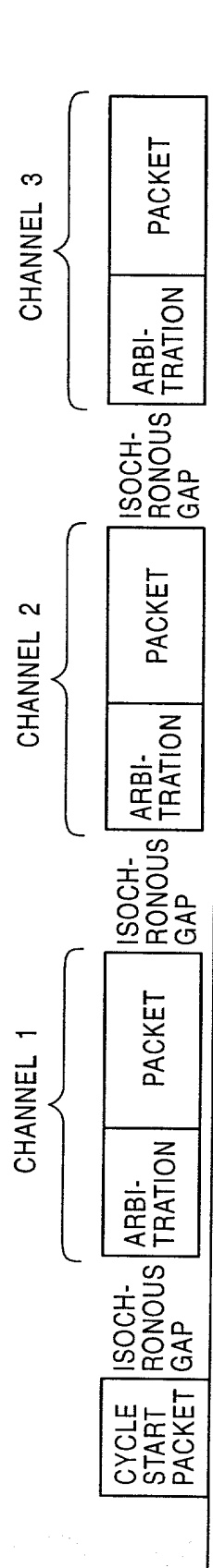


FIG. 8

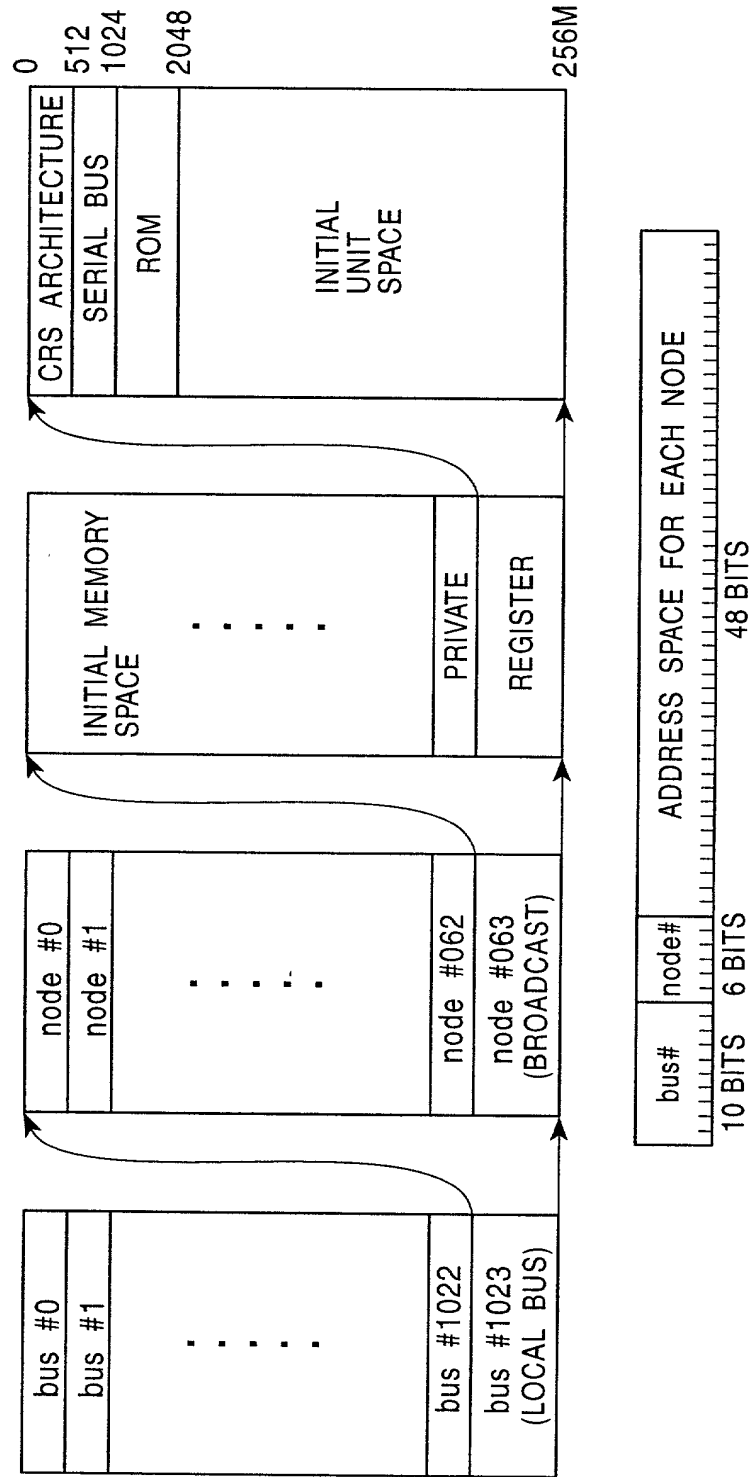


FIG. 9

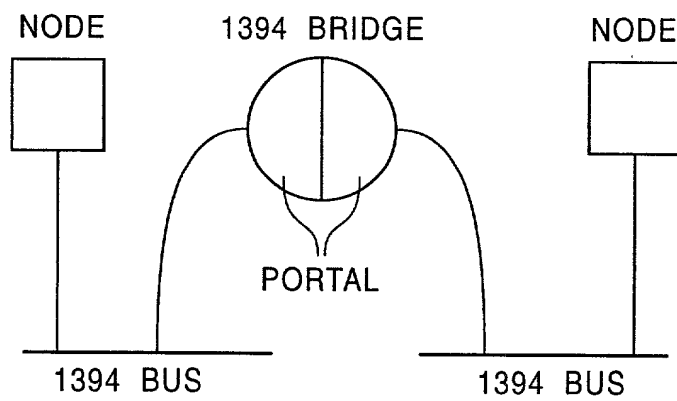


FIG. 10

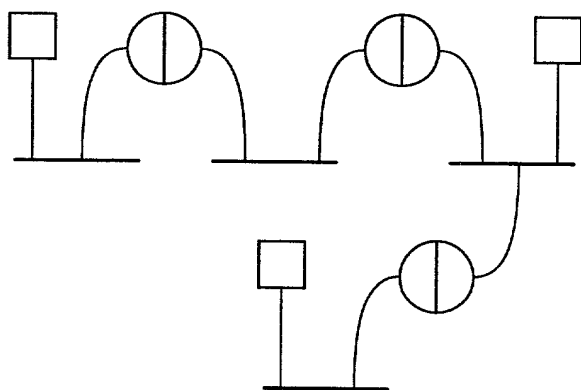


FIG. 11

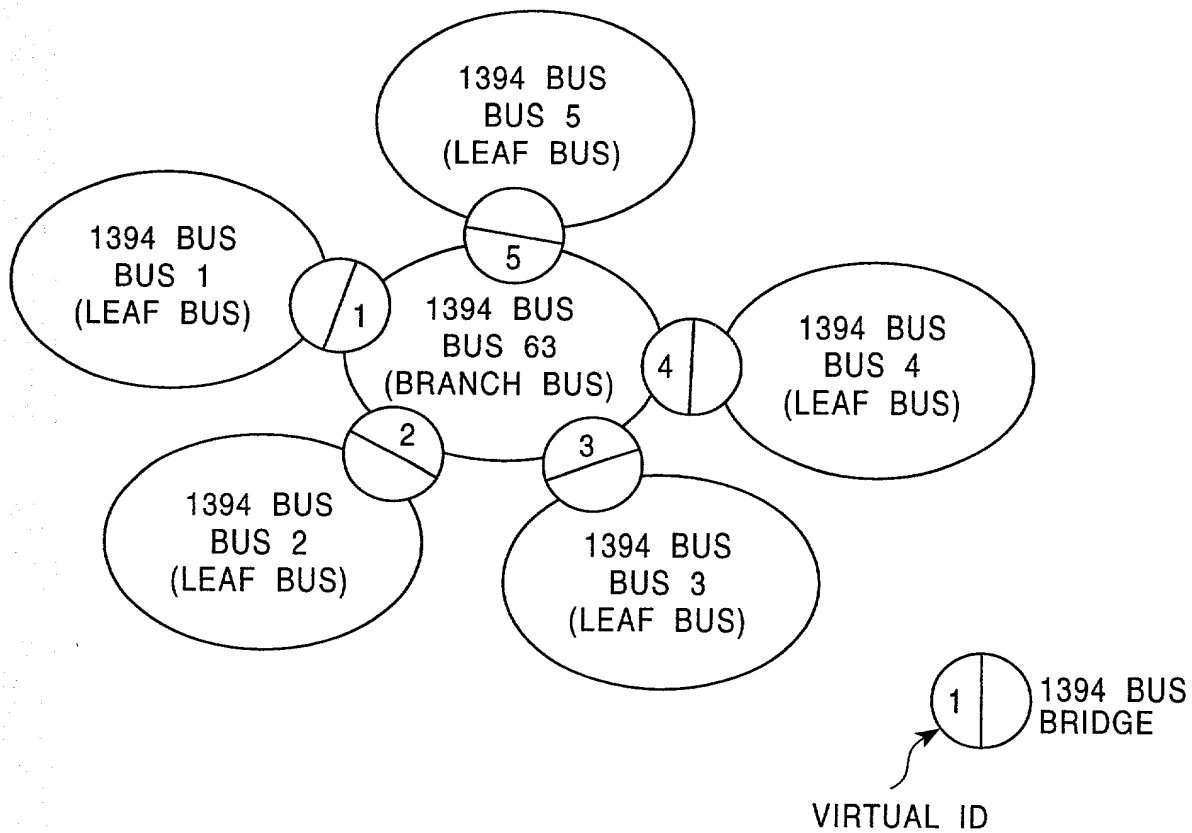
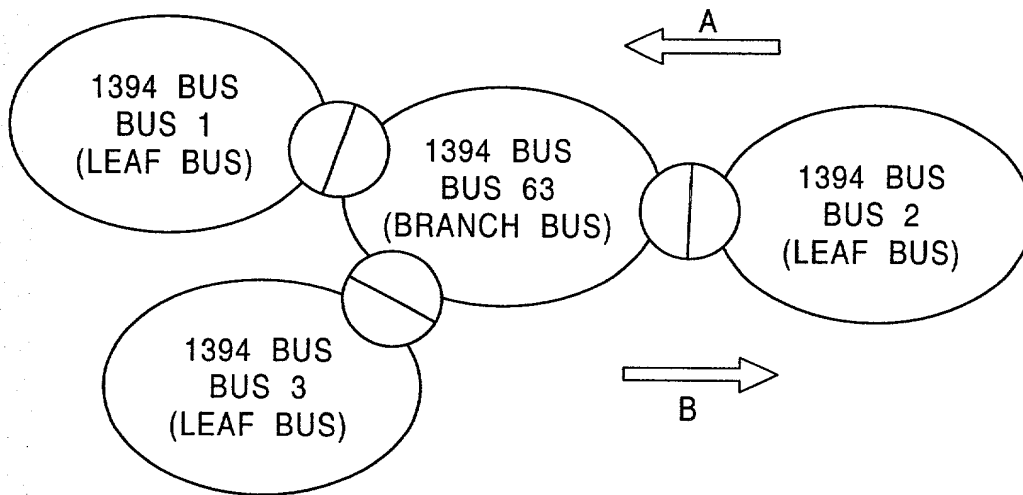


FIG. 12



DIRECTION A : PACKET HAVING TRANSMISSION
DESTINATION OTHER THAN BUS ID 2

DIRECTION B : ONLY PACKET HAVING TRANSMISSION
DESTINATION OF BUS ID 2

FIG. 13

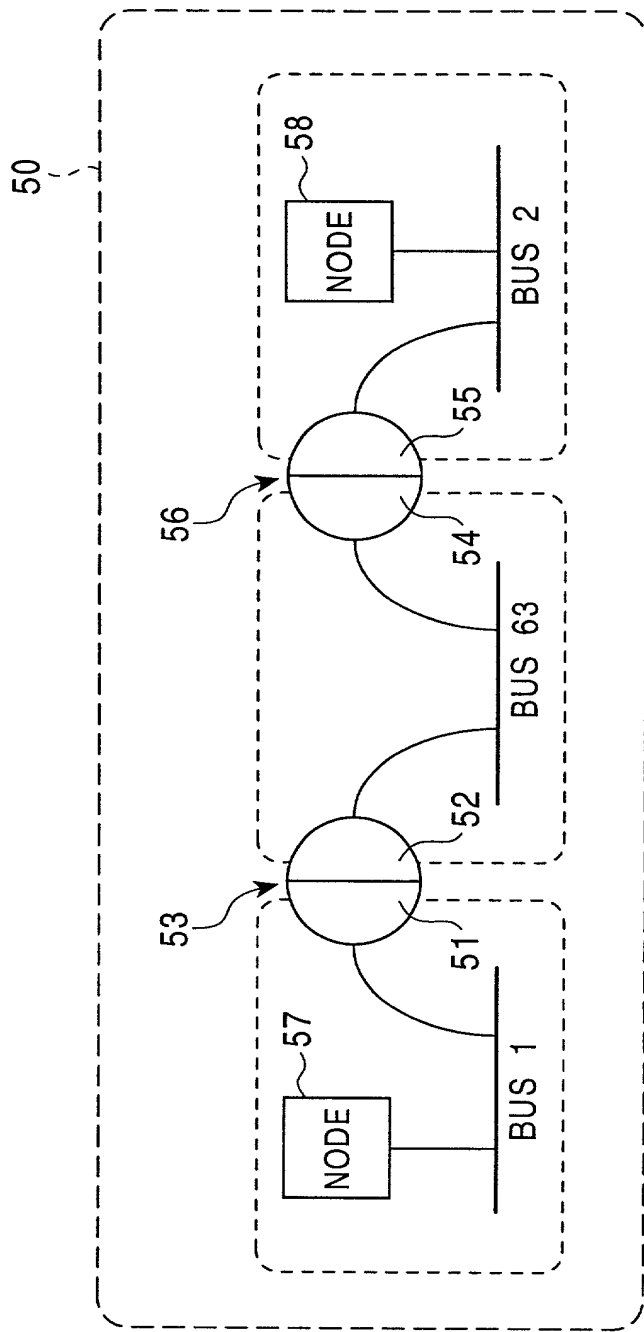


FIG. 14

TRANSMISSION DESTINATION BUS ID	PROCESSING
ID OF BUS TO WHICH THE OTHER-SIDE PORTAL IS CONNECTED	PORTAL RETURNS ack_complete FOR RESPONSE AND ack_pending FOR REQUEST. THEN, PORTAL TRANSMITS PACKET TO THE OTHER-SIDE PORTAL
OTHER THAN ABOVE	PORTAL IGNORES PACKET. (IT IS EXPECTED THAT ANOTHER PORTAL PERFORMS ROUTING.)

FIG. 15

TRANSMISSION DESTINATION BUS ID	PROCESSING
IDS OTHER THAN THAT OF BUS TO WHICH ITSELF IS CONNECTED	PORTAL RETURNS ack_complete FOR RESPONSE AND ack_pending FOR REQUEST. THEN, PORTAL TRANSMITS PACKET TO THE OTHER-SIDE PORTAL.
OTHER THAN ABOVE	PORTAL IGNORES PACKET. (NOT ACCESS TO OTHER BUSES)

FIG. 16

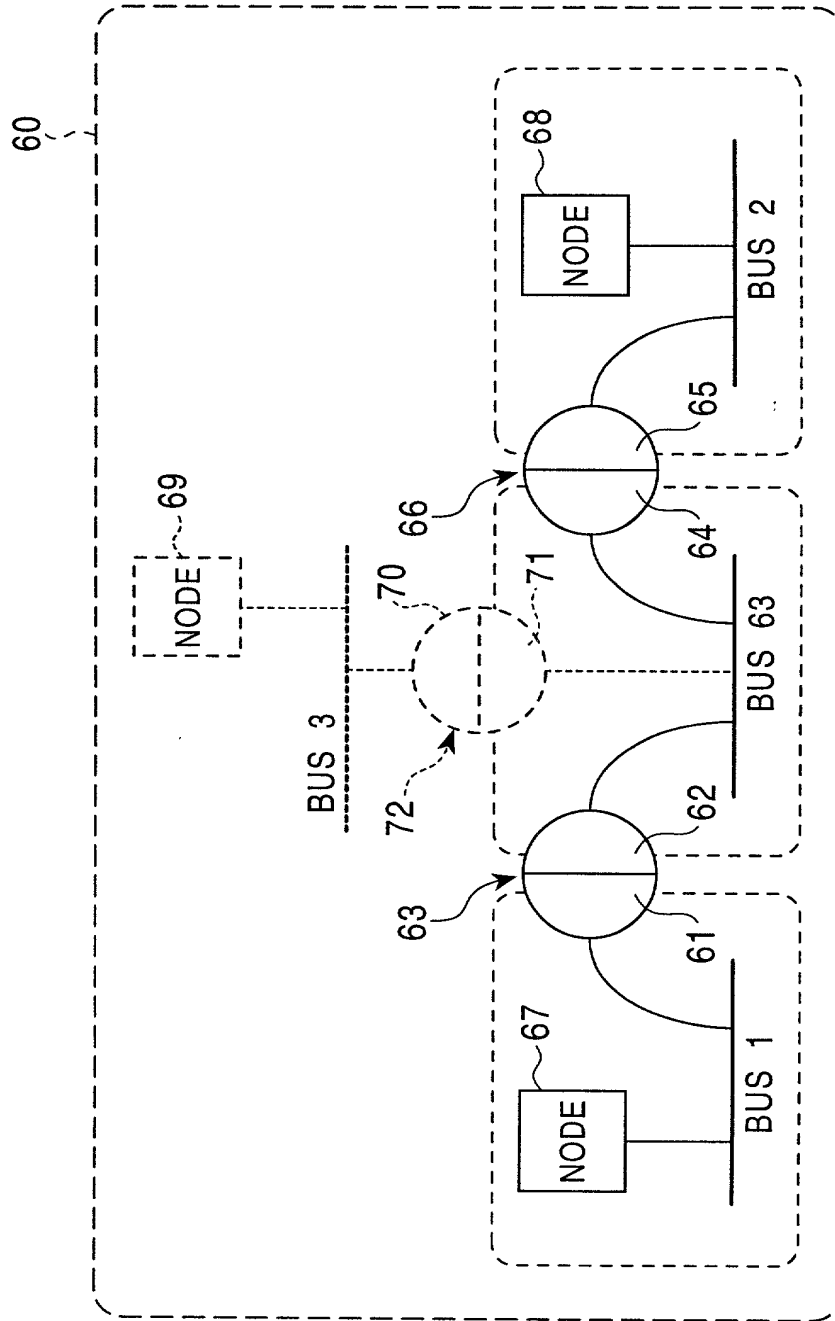


FIG. 17

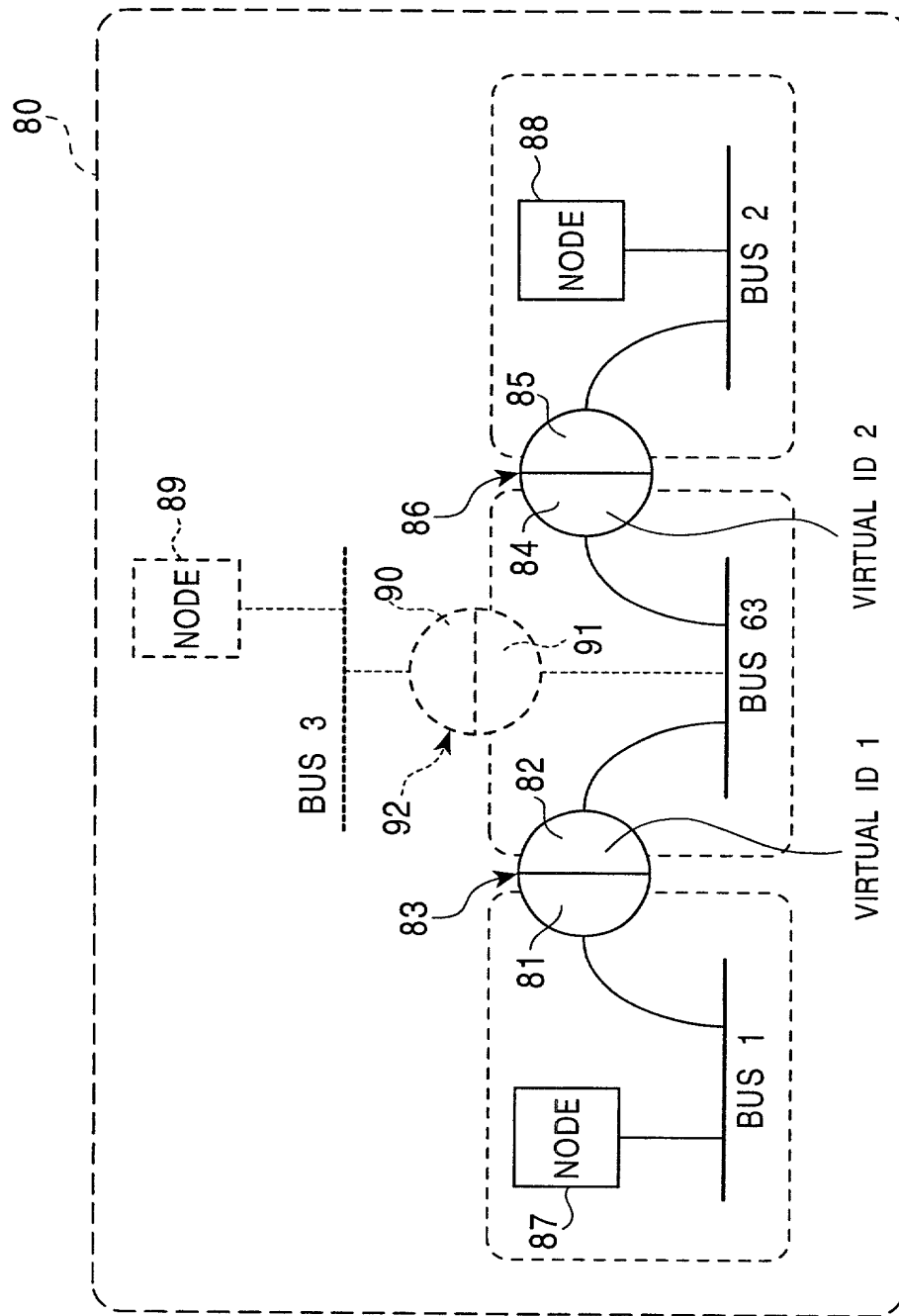


FIG. 18A

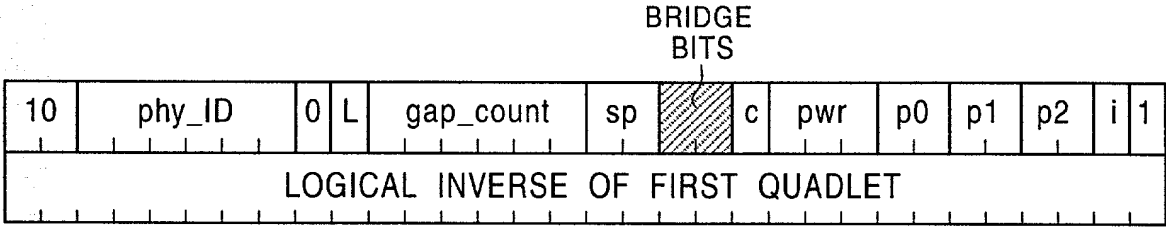


FIG. 18B

VALUE	DEFINITION	REMARKS
00b	NON-BRIDGE DEVICE	CONVENTIONAL 1394 DEVICE
01b	DEVICE WITH BRIDGE FUNCTION	DEVICE HAVING BRIDGE FUNCTION
10b	BRIDGE AS DEFINED BY P1394.1	P1394.1 DEVICE
11b	BRIDGE AS DEFINED BY P1394.1	P1394.1 DEVICE

FIG. 19

NODE ID	RESERVED (2 BITS)	VIRTUAL ID (6 BITS)
0	00	4
1	00	3
2	00	5
3	00	2
4	00	1
5	00	7
6	00	0
7	00	6

FIG. 20

NODE ID	RESERVED (2 BITS)	BRIDGE (1 BIT)	VIRTUAL ID (6 BITS)
0	00	0	4
1	00	0	3
2	00	0	5
3	00	1	2
4	00	1	1
5	00	0	7
6	00	0	0
7	00	0	6

FIG. 21

TRANSMISSION DESTINATION BUS ID	PROCESSING	
ID OF BUS TO WHICH THE OTHER-SIDE PORTAL IS CONNECTED	PORTAL RETURNS <code>ack_complete</code> FOR RESPONSE AND <code>ack_pending</code> FOR REQUEST. THEN, PORTAL TRANSMITS PACKET TO THE OTHER-SIDE PORTAL	
OTHER THAN ABOVE	PORTAL HAVING LARGEST VIRTUAL ID	WHEN Phy ID OF PORTAL CONNECTED TO BUS MATCHES TRANSMISSION DESTINATION BUS ID, PORTAL IGNORES PACKET. IN THE OTHER CASES, PORTAL HANDLES PACKET AS ERROR AND RETURNS <code>ack_address_err</code>
	OTHER THAN ABOVE	PORTAL IGNORES PACKET (IT IS EXPECTED THAT ANOTHER PORTAL APPLIES PROCESSING)

FIG. 22

